



August 21, 2023

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Reference: Engineering Services
Permit # SFD 2306-0023
Serenity - Lot 12
62 Sneed Ln.
Fuquay-Varina, NC 27526
TE&D Project No.: 2301-020656_A

To Whom It May Concern;

As requested by the client, a representative of Tyndall Engineering & Design, PA (TE&D) was on-site to observe the following items:

1. Inspect and analyze the damaged 2nd floor I-joist with bearing at the rear exterior wall.

The following conclusions and recommendations were noted:

1. We observed the I-joist was damaged at the web with an oversized hole in close proximity to the bearing point. We also observed the web around the hole was splintered and delaminated, possibly due to creating the hole with an impact (hammer) in lieu of a hole saw.

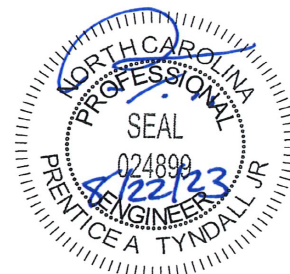
Based on our observations and analysis, the I-joist is to be reinforced with a 36" x 14" x 23/32" section of OSB installed on both sides. The OSB is to extend from the bearing point and is to be fastened to the flanges with (1) row of 8d nails at 4" o.c.

Upon completion, the modified I-joist will provide the required support for the anticipated loading conditions. We appreciate being able to assist you during this phase of the project. If you need further assistance or require additional information, please do not hesitate to contact us.

Sincerely,
Tyndall Engineering & Design

Tripp Amos
TA | 2301-020656_A

Prentice Tyndall Jr., P.E.





Damaged Joist

